

NOTE ABOUT THE TAXONOMY OF
PHASEOLUS HYGROPHILUS DEBOUCK (LEGUMINOSAE-PAPILIONOIDEAE)

J. Salcedo-Castaño

Centro Internacional de Agricultura
Tropical
AA 6713
Cali, COLOMBIA
jesusmariasalcedo@gmail.com

R. Araya-Villalobos

Universidad de Costa Rica
Estación Fabio Baudrit Moreno
AP 2645-300
Alajuela, COSTA RICA
avillalo2005@hotmail.com

N. Castañeda-Alvarez

Centro Internacional de Agricultura
Tropical
AA 6713, Cali, COLOMBIA
Bioversity International
Office for the Americas, c/o CIAT,
COLOMBIA
n.p.castaneda@cgiar.org

O. Toro-Chica

Centro Internacional de Agricultura Tropical
AA 6713
Cali, COLOMBIA
o.toro@cgiar.org

D.G. Debouck

Centro Internacional de Agricultura Tropical
AA 6713
Cali, COLOMBIA
d.debouck@cgiar.org

In relation to Article 8 of the International Code of Botanical Nomenclature (McNeill et al. 2006)—that states “For the purpose of typification a specimen is a gathering, or part of a gathering, of a single species or infraspecific taxon made at one time ...”—about a *Phaseolus* bean species described recently (Salcedo-Castaño et al. 2011), it might be useful to indicate the following. The text on top of page 54 of the aforementioned paper (Salcedo-Castaño et al., *ibidem*) should read as follows (while the rest of text remains unchanged).

Phaseolus hygrophilus Debouck, sp. nov. (Figs. 1–6). TYPE: COSTA RICA. SAN JOSÉ: San Isidro El General, Santa Eduviges, on path to Santa Eduviges 8.8 km from intersection at División with Interamerican Highway, Long. 83°45'W, Lat. 9°30'N, alt. 1,520 masl, 11 Dec 2003, DG Debouck & R Araya Villalobos 3172 (HOLOTYPE: INB; ISOTYPES: BRIT, CR, F, FI, G, GH, K, MEXU, MICH, NY, P, UC, USJ; in addition, small amounts of seeds, accessioned as G40815, can be obtained from the Genetic Resources Program of CIAT).

Haec species *Phaseolo oligospermo* similis, sed ab eo foliis non lobulatis ad centrum variegatis, inflorescentiae bracteis primariis cupulatis, bracteolis rotundatis maioribus alisque albidis cum vexillo subroseo distinguitur. Crescit in sylvis pluvialis montium declivitatibus Pacificae Costa Ricae ad 1,500 m supra mare rarus.

Two of the authors (DGD and RAV) had later the opportunity to revisit the type locality and to see the same plant population again on 11 February 2004 and on 19 January 2006 at the same spot. Similarly, the second population of *P. hygrophilus* (DGD & RAV 3173) initially found on 11 December 2003 was again seen on 19 January 2006. These findings indicate first that this rare bean plant can be identified unequivocally over time, and second that during that period these populations of *P. hygrophilus* were stable in an intact original environment.

ACKNOWLEDGMENTS

The authors thank Kanchi Gandhi (Harvard University) and James L. Reveal (Cornell University) for their valuable comments.

REFERENCES

- MCNEILL, J., F.R. BARRIE, H.M. BURDET, V. DEMOULIN, D.L. HAWKSWORTH, K. MARHOLD, D.H. NICOLSON, J. PRADO, P.C. SILVA, J.E. SKOG, AND J.H. WIERSEMA (EDS.). 2006. International code of botanical nomenclature. (Vienna Code). Consulted on line at <http://ibot.sav.sk/icbn/main.htm> on 8 September 2011.
- SALCEDO-CASTAÑO, J., R. ARAYA-VILLALOBOS, N. CASTAÑEDA-ALVAREZ, O. TORO-CHICA, AND D.G. DEBOUCK. 2011. *Phaseolus hygrophilus* (Leguminosae--Papilionoideae), a new wild bean species from the wet forests of Costa Rica, with notes about section *Brevilegumeni*. *J. Bot. Res. Inst. Texas* 5:53–65.